

DECLARATION FOR PATENT APPLICATION

Docket No. 0008

1c950 U.S. PTO
09/770804
01/26/01

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

ADAPTIVE ANTENNA OPTIMIZATION NETWORK

specification of which (check one):

☒ is attached hereto
☐ was filed on _____ as Application Serial No. _____
☐ and was amended on _____, if applicable

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)	Priority Claimed	
	Yes	No
(Number)	(County)	(Date/Month/Year Filed)

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States applications listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith: Lynn J. Alstadt, Reg. No. 29,362; George P. Baier, Reg. No. 26,717; Dennis M. Carleton, Reg. No. 40,938; Michael L. Dever, Reg. No. 32,216; John E. Grosselin, III, Reg. No. 38,478; Bryan H. Opalko, Reg. No. 40,751; Michael G. Panian, Reg. No. 32,623; and Carla J. Vrsansky, Reg. No. 36,958.

Address all telephone calls to **Bryan H. Opalko**

Address all correspondence to Buchanan Ingersoll Professional Corporation
 One Oxford Centre
 301 Grant Street, 20th Floor
 Pittsburgh, Pennsylvania 15219-1410
 412-562-1893

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Paul W. Dent
Inventor's Signature Paul W. Dent Date 24 JAN 2001
Residence County of Chatham, State of North Carolina Citizenship USA
Post Office Address 637 Eagle Point Road, Pittsboro, North Carolina 27312

Full name of second joint inventor Howard Eugene Holshouser
Inventor's Signature _____ Date _____
Residence County of Orange, State of North Carolina Citizenship USA
Post Office Address 3701 Carrington Lane, Efland, North Carolina 27243

Full name of third joint inventor John Charles Phillips
Inventor's Signature _____ Date _____
Residence County of Wake, State of North Carolina Citizenship USA
Post Office Address 9916 Bonsall Crossing, Newhill, North Carolina 24857

Full name of fourth joint inventor Rod Dolman
Inventor's Signature _____ Date _____
Residence County of Bedford, State of Virginia Citizenship USA
Post Office Address 108 LaFayette Place, Forest, Virginia 24551

Full name of fifth joint inventor Ron Boesch
Inventor's Signature _____ Date _____
Residence County of Wake, State of North Carolina Citizenship USA
Post Office Address 106 Pentress Court, Morrisville, North Carolina 27560

DECLARATION FOR PATENT APPLICATION

Docket No. 000875

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

ADAPTIVE ANTENNA OPTIMIZATION NETWORK

specification of which (check one): _____, the

 x is attached hereto
_____ was filed on _____ as Application Serial No. _____
_____ and was amended on _____, if applicable

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

_____	_____	_____	Yes	No
(Number)	(Country)	(Date/Month/Year Filed)		

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States applications listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 1.12, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)
_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith: Lynn J. Alstadt, Reg. No. 29,362; George P. Baier, Reg. No. 26,717; Dennis M. Carleton, Reg. No. 40,938; Michael L. Dever, Reg. No. 32,216; John E. Grosselin, III, Reg. No. 38,478; Bryan H. Opalko, Reg. No. 40,751; Michael G. Panian, Reg. No. 32,623; and Carla J. Vrsansky, Reg. No. 36,958.

Address all telephone calls to **Bryan H. Opalko**

Address all correspondence to
Buchanan Ingersoll Professional Corporation
One Oxford Centre
301 Grant Street, 20th Floor
Pittsburgh, Pennsylvania 15219-1410
412-562-1893

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Paul W. Dent
Inventor's Signature _____ Date _____
Residence County of Chatham, State of North Carolina Citizenship USA
Post Office Address 637 Eagle Point Road, Pittsboro, North Carolina 27312

Full name of second joint inventor Howard Eugene Holshouser
Inventor's Signature Howard Eugene Holshouser Date 18 January 2001
Residence County of Orange, State of North Carolina Citizenship USA
Post Office Address 3701 Carrington Lane, Efland, North Carolina 27243

Full name of third joint inventor John Charles Phillips
Inventor's Signature _____ Date _____
Residence County of Wake, State of North Carolina Citizenship USA
Post Office Address 9916 Bonsal Crossing, Newhall, North Carolina 24857

Full name of fourth joint inventor Rod Dolman
Inventor's Signature _____ Date _____
Residence County of Bedford, State of Virginia Citizenship USA
Post Office Address 108 LaFayette Place, Forest, Virginia 24551

Full name of fifth joint inventor Ron Boesch
Inventor's Signature _____ Date _____
Residence County of Wake, State of North Carolina Citizenship USA
Post Office Address 106 Fentress Court, Morrisville, North Carolina 27560

DECLARATION FOR PATENT APPLICATION

Docket No. 000875

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

ADAPTIVE ANTENNA OPTIMIZATION NETWORK

specification of which (check one): _____, the

☒ is attached hereto
_____ was filed on _____ as Application Serial No. _____
_____ and was amended on _____, if applicable

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

(Number)	(Country)	(Date/Month/Year Filed)	Yes	No
----------	-----------	-------------------------	-----	----

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States applications listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith: Lynn J. Alstadt, Reg. No. 29,362; George P. Baier, Reg. No. 26,717; Dennis M. Carleton, Reg. No. 40,938; Michael L. Dever, Reg. No. 32,216; John E. Grosselin, III, Reg. No. 38,478; Bryan H. Opalko, Reg. No. 40,751; Michael G. Panian, Reg. No. 32,623; and Carla J. Vrsansky, Reg. No. 36,958.

Address all telephone calls to **Bryan H. Opalko**

Address all correspondence to **Buchanan Ingersoll Professional Corporation**
One Oxford Centre
301 Grant Street, 20th Floor
Pittsburgh, Pennsylvania 15219-1410
412-562-1893

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Paul W. Dent
Inventor's Signature _____ Date _____
Residence County of Chatham, State of North Carolina Citizenship USA
Post Office Address 637 Eagle Point Road, Pittsboro, North Carolina 27312

Full name of second joint inventor Howard Eugene Holshouser
Inventor's Signature _____ Date _____
Residence County of Orange, State of North Carolina Citizenship USA
Post Office Address 3701 Carrington Lane, Efland, North Carolina 27243

Full name of third joint inventor John Charles Phillips
Inventor's Signature *John Charles Phillips* Date 1/19/01
Residence County of Wake, State of North Carolina Citizenship USA
Post Office Address 9916 Bonsal Crossing, New Hill, North Carolina 24857 27562

Full name of fourth joint inventor Rod Dolman
Inventor's Signature _____ Date _____
Residence County of Bedford, State of Virginia Citizenship USA
Post Office Address 108 LaFayette Place, Forest, Virginia 24551

Full name of fifth joint inventor Ron Boesch
Inventor's Signature _____ Date _____
Residence County of Wake, State of North Carolina Citizenship USA
Post Office Address 106 Fentress Court, Morrisville, North Carolina 27560

DECLARATION FOR PATENT APPLICATION

Docket No. 000875

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

ADAPTIVE ANTENNA OPTIMIZATION NETWORK

specification of which (check one): _____, the

 X is attached hereto
_____ was filed on _____ as Application Serial No. _____
_____ and was amended on _____, if applicable

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

(Number)	(Country)	(Date/Month/Year Filed)	Yes	No
----------	-----------	-------------------------	-----	----

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States applications listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 1.12, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith: Lynn J. Alstadt, Reg. No. 29,362; George P. Baier, Reg. No. 26,717; Dennis M. Carleton, Reg. No. 40,938; Michael L. Dever, Reg. No. 32,216; John E. Grosselin, III, Reg. No. 38,478; Bryan H. Opalko, Reg. No. 40,751; Michael G. Panian, Reg. No. 32,623; and Carla J. Vrsansky, Reg. No. 36,958.

Address all telephone calls to **Bryan H. Opalko**

Address all correspondence to
Buchanan Ingersoll Professional Corporation
One Oxford Centre
301 Grant Street, 20th Floor
Pittsburgh, Pennsylvania 15219-1410
412-562-1893

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Paul W. Dent

Inventor's Signature _____ Date _____

Residence County of Chatham, State of North Carolina Citizenship USA

Post Office Address 637 Eagle Point Road, Pittsboro, North Carolina 27312

Full name of second joint inventor Howard Eugene Holshouser

Inventor's Signature _____ Date _____

Residence County of Orange, State of North Carolina Citizenship USA

Post Office Address 3701 Carrington Lane, Efland, North Carolina 27243

Full name of third joint inventor John Charles Phillips

Inventor's Signature _____ Date _____

Residence County of Wake, State of North Carolina Citizenship USA

Post Office Address 9916 Bonsall Crossing, Newhill, North Carolina 24857

Full name of fourth joint inventor Rod Dolman

Inventor's Signature *Rod Dolman* Date 01/23/2005 2001 *R.D.*

Residence County of Bedford, State of Virginia Citizenship USA

Post Office Address 108 LaFayette Place, Forest, Virginia 24551

Full name of fifth joint inventor Ron Boesch

Inventor's Signature _____ Date _____

Residence County of Wake, State of North Carolina Citizenship USA

Post Office Address 106 Fentress Court, Morrisville, North Carolina 27560

DECLARATION FOR PATENT APPLICATION

Docket No. 000875

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

ADAPTIVE ANTENNA OPTIMIZATION NETWORK

specification of which (check one): _____, the

☒ is attached hereto
_____ was filed on _____ as Application Serial No. _____
_____ and was amended on _____, if applicable

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

(Number)

(Country)

(Date/Month/Year Filed)

Yes No

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States applications listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 1.12, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)

(Filing Date)

(Status: patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith: Lynn J. Alstadt, Reg. No. 29,362; George P. Baier, Reg. No. 26,717; Dennis M. Carleton, Reg. No. 40,938; Michael L. Dever, Reg. No. 32,216; John E. Grosselin, III, Reg. No. 38,478; Bryan H. Opalko, Reg. No. 40,751; Michael G. Panian, Reg. No. 32,623; and Carla J. Vrsansky, Reg. No. 36,958.

Address all telephone calls to **Bryan H. Opalko**

Address all correspondence to Buchanan Ingersoll Professional Corporation
One Oxford Centre
301 Grant Street, 20th Floor
Pittsburgh, Pennsylvania 15219-1410
412-562-1893

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor P. W. Dent

Inventor's Signature _____

Date _____

Residence County of Chatham, State of North Carolina

Citizenship USA

Post Office Address 637 Eagle Point Road, Pittsboro, North Carolina 27312

Full name of second joint inventor Howard Eugene Holshouser

Inventor's Signature _____

Date _____

Residence County of Orange, State of North Carolina

Citizenship USA

Post Office Address 3701 Carrington Lane, Efland, North Carolina 27243

Full name of third joint inventor John Charles Phillips

Inventor's Signature _____

Date _____

Residence County of Wake, State of North Carolina

Citizenship USA

Post Office Address 9916 Bonsall Crossing, Newhill, North Carolina 24857

Full name of fourth joint inventor Rod Dolman

Inventor's Signature _____

Date _____

Residence County of Bedford, State of Virginia

Citizenship USA

Post Office Address 108 LaFayette Place, Forest, Virginia 24551

Full name of fifth joint inventor Ron Boesch

Inventor's Signature Ronald D. Boesch

Date

19 Jan 2001

Residence County of Wake, State of North Carolina

Citizenship USA

Post Office Address 106 Fentress Court, Morrisville, North Carolina 27560

SCANNED, # 4